

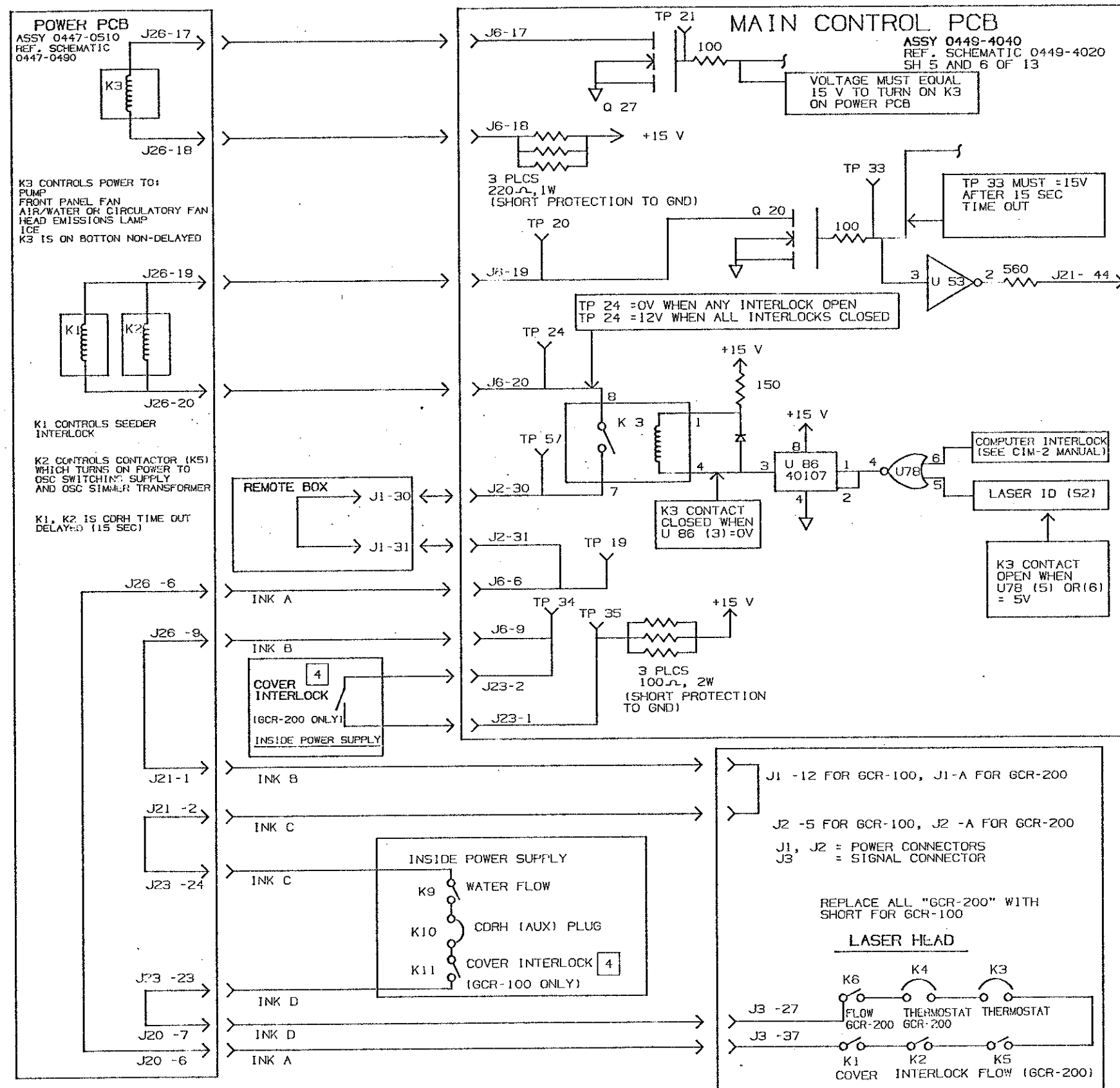
CONDITIONS FOR START UP:

- ON BUTTON ENGAGED
- ALL INTERLOCKS CLOSED, INCLUDING COMPUTER INTERLOCK AND LASER ID. "INTERLOCK FAULT" LED WILL EXTINGUISH ON FRONT PANEL.
- CDRH 15 SEC TIME OUT CONDITIONS:
 TP 30 = 0 VOLTS AC LINE PULSED
 TP 31 = 0 VOLTS INTERLOCK STATUS
 TP 32 = 15 VOLTS LAMP ENERGY FULLY CCW "START"
 FOR GCR-200: AMP LAMP ENERGY ALSO FULLY CCW "START".

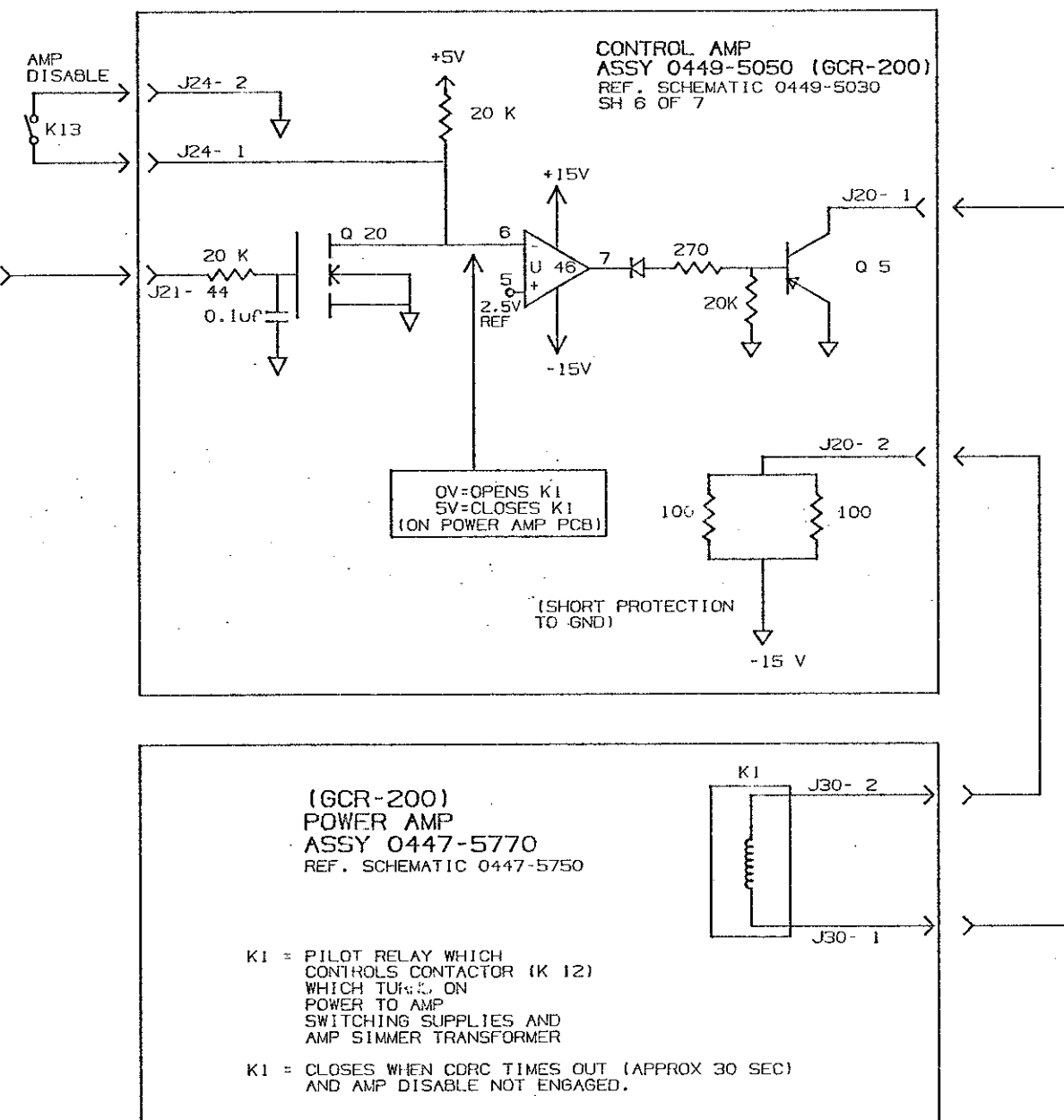
- JUMPER PLUG IS INSTALLED INTO J23 FOR GCR-100 LASERS.
 COVER INTERLOCK CONNECTOR IS INSTALLED INTO J23 FOR GCR-200 LASERS.

- TO TROUBLESHOOT INTERLOCK PROBLEM:
 MEASURE FOR +15V DC AT TP 35, 34, 19, 57 AND 24 IN ORDER.
 ZERO VOLTS AT A "TP" INDICATES A PROBLEM. REFERENCE THIS DIAGRAM
 TO DETERMINE FAULT ERROR. WHEN PROBLEM IS SOLVED, TP 24-TP 35 WILL ALL MEASURE +12V DC.

REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR
A	RELEASE TO PRODUCTION PER ECO	30695	4-23-93	SL	
B	CONVERTED TO CAD DRAWING			DLM	
C	SEE ECO FOR DETAILS	32470	7-6-93	JP	
D	REVISED PER ECO	33778	7-19-96	JP	



FOR GCR-200 ONLY



QTY	ITEM	PART NUMBER	DESCRIPTION
	NAME	DATE	
OFFS.	P. PATEL	6/18/93	
CHK.			
CHK.	S. LAWRENCE	6/13/93	
APP.			
MODEL	NEXT ASSY.		
GCR-100			
GCR-200			
FINISH			
SCALE	SIZE	DRAWING NUMBER	REV.
NONE	D	0447-4420	1
			D

QUANTA-RAY

INTERLOCK, SYSTEMS DIAGRAM, GCR-100 AND GCR-200